



Important

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustments should be performed by Black & Decker Service Centers or other qualified service organizations, always using Black & Decker replacement parts. Black & Decker's full two year home use warranty states that, in case of a defect, you may return the tool to the place of purchase for a free replacement (if it is a participating retailer) or you may take it to a Black & Decker Service Center.

Home Use Warranty (A Full Two Year Warranty)

Black & Decker (U.S.) Inc. warrants this product for two years against any defects that are due to faulty material or workmanship. Please return the complete unit, transportation prepaid, to the seller (if a participating retailer) for free replacement (proof of purchase may be required). The unit may also be returned to a Black & Decker Service Center or Authorized Service Station, listed under "Tools, Electric" in the yellow pages for free replacement or repair, at our option. This warranty does not apply to accessories. This warranty gives you specific legal rights and you may have other rights which vary from state to state. Should you have any questions, contact your nearest Black & Decker Service Center Manager.

Like most Black & Decker tools, this tool is listed by Underwriters' Laboratories to ensure that it meets stringent safety requirements.

This symbol on the name plate means the product is listed by Underwriters' Laboratories, Inc.

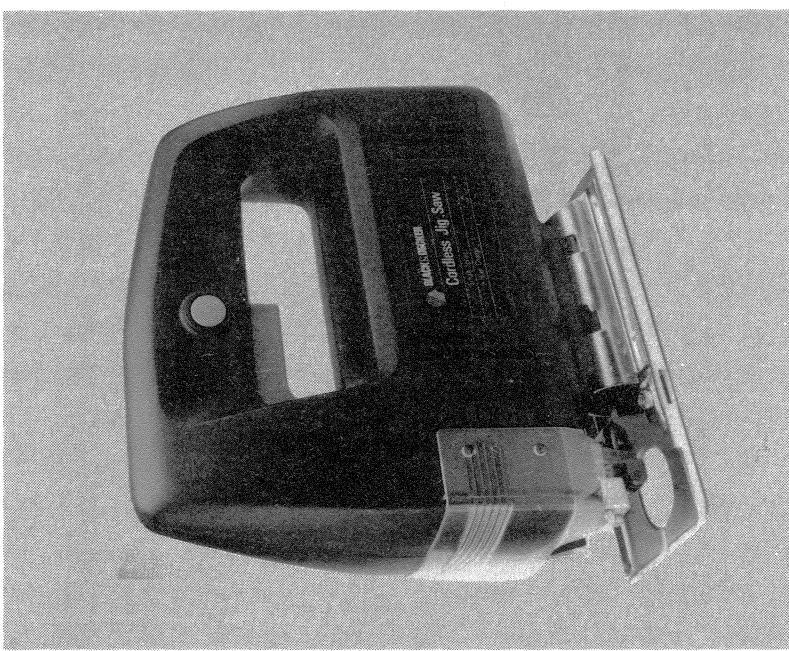


See 'Tools-Electric'
—Yellow Pages—
for Service & Sales

Instruction Manual

Cordless Jig Saw

9011



Part No. 830860

Form No. 741385
(Dec 87 2) © 1987 Printed in England
BLACK & DECKER (U.S.) INC., U.S. Power Tools Group, 10 North Park Drive, P.O. Box 798, Hunt Valley, MD 21030-0798 U.S.A.

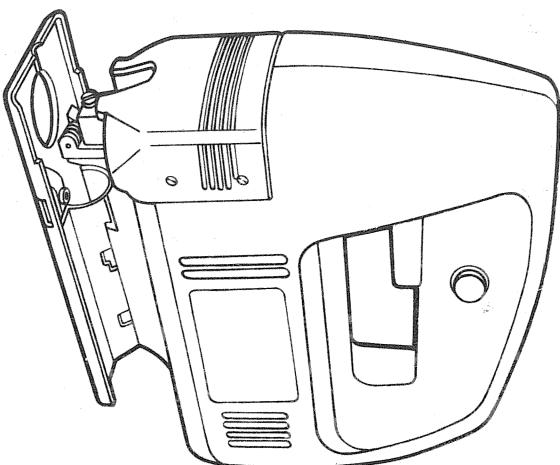
BLACK & DECKER

1

Important Safety Instructions

WARNING: When using Cordless Tools, basic safety precautions should always be followed to reduce risk of fire, shock, and personal injury, including the following:

READ ALL INSTRUCTIONS



Thanks for buying a Black & Decker Cordless Jig Saw.

Your new CORDLESS JIG SAW is very versatile. It offers the ultimate in convenience and electrical safety. You can forget the electrical outlet, forget the cord and take your CORDLESS JIG SAW anywhere.

For safe and efficient operation of your new CORDLESS JIG SAW, please take the time to read all the safety rules

and operating instructions. Be aware that this is always in an operating condition, because it is battery powered and does not have to be plugged into an electrical outlet.

Don't forget to send in your owner's registration card.

Thanks again for buying Black &

Decker.



BLACK & DECKER™

SAVE THESE INSTRUCTIONS FOR FUTURE USE

Important Charger Notes (Figure 2)

- charge batteries normally
- fully discharge the batteries (best done by using the jig saw until it no longer cuts easily and then hold the jig saw in mid air with the switch on until the motor stops).
- charge for 24 hours - the batteries should now have full capacity.

9. The approximate charging time for the Cordless Jig Saw is 3 hours.

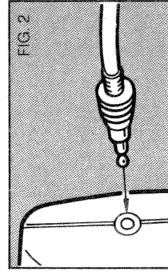


FIG. 2

Attaching the Saw Blade (Figure 3)

- To charge the batteries, locate the charging socket in rear of the jig saw (Figure 2) and plug the charger into a suitable socket. The L.E.D. will light, indicating the batteries are charging. Charge the batteries for 24 hours the first time or otherwise it will reduce its capacity to accept a full charge in the future.
- When you charge your jig saw for the first time, or after prolonged storage, it will only accept about an 80% charge. However, after several charge and discharge cycles, the batteries will come up to full capacity.
- Longest life and best performance can be obtained if the batteries are charged when the air temperature is about +75°F/25°C. DO NOT charge the batteries in an air temperature below +40°F/15°C or above +90°F. This is important and will prevent serious damage to the batteries.
- While charging, the Charger may heat and become warm to touch. This is a normal condition and does not indicate a problem.

- If the batteries do not charge properly: (1) Check the current at receptacle by plugging in a lamp or other appliance. (2) Check to see if receptacle is connected to a light switch which turns power off when the light is turned off. (3) Move Charger and Jig Saw to a surrounding air temperature of approximately 15°F. (4) If the receptacle and temperature are O.K. and you do not get proper charging, take or send the tool and Decker Service Center. See guarantee card.

- The Jig saw should be recharged when it fails to produce sufficient power on jobs which were easily done previously. DO NOT CONTINUE to use under these conditions. Repeat the charging procedure.
- If stored without the charger plugged in the batteries may slowly self discharge. Normal charging will make the Jig saw ready for use.
- After prolonged storage or repetitive use the batteries may appear to have reduced capacity. If this occurs adopt the following procedure.

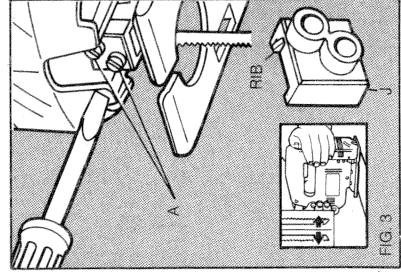


FIG. 3

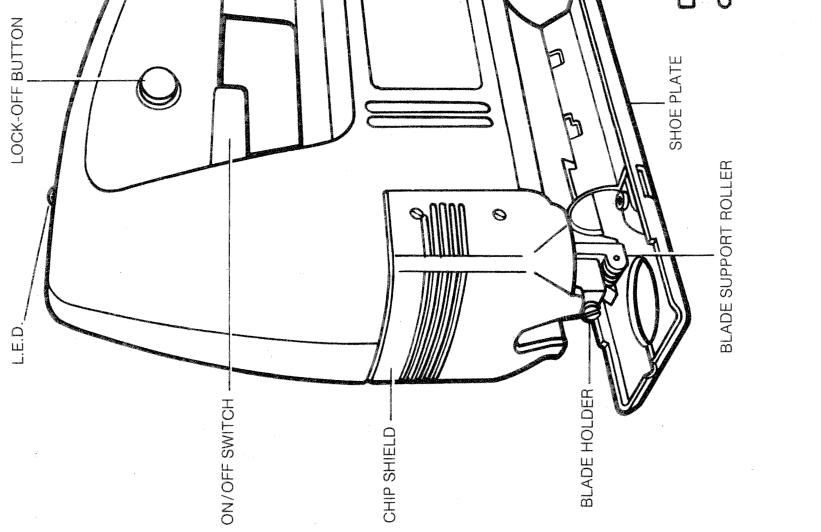


Table 1

RECOMMENDED MINIMUM AWG*
SIZE FOR EXTENSION CORDS FOR
BATTERY CHARGERS

AC Input Rating Amperes**	AWG* Size of Cord	Equal to or greater than but less than	Length of Cord, Feet
1	2	18	18
2	3	18	18
3	4	18	16
		14	14

*American Wire Gauge
**If the input rating of a charger is given in watts rather than in amperes, the corresponding ampere rating is to be determined by dividing the wattage rating by the voltage rating—for example:

1250 watts
125 volts
=10 amperes

- DO NOT attempt to work with any attachment not intended for the Jig Saw.
- DO NOT attempt to use any other cordless tool, battery pack or other device with this charger. DO NOT attempt to use the Jig Saw with any other charger than the one recommended in this manual.
- DO NOT expose charger to rain or if an attachment not intended for the Jig Saw is attached.
- DO NOT attempt to use the Jig Saw if the charger has been damaged or dropped, or otherwise damaged in any way; take it to a qualified Black & Decker Service Center.
- DO NOT operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified Black & Decker Service Center.
- DO NOT disassemble charger; take it to a qualified Black & Decker Service Center when service or repair is required. Incorrect reassembly may result in a risk of electrical shock or fire. There are no consumer serviceable parts inside.
- DO NOT incinerate the Jig Saw even if it is severely damaged or completely worn out. The batteries can explode in a fire. A small leakage of liquid from the battery cells may occur under extreme usage, charging or temperature conditions. This does not indicate a failure. However, if the outer seal is broken and this leakage gets on your skin—
 - Wash quickly with soap and water.
 - Neutralize with a mild acid such as lemon juice or vinegar.
- DO NOT store the Tool in locations where the temperature may reach or exceed 105°F (such as outside sheds or metal buildings in summer).
- DO NOT charge Jig Saw when it or air temperature is BELOW +40°F or ABOVE +90°F.

Important Jig Saw Safety Instructions

1. THESE INSTRUCTIONS are manual contains important and operating instructions. Using battery charger, read instructions and cautionary notes on battery charger and saw.

2. Jig saws are specifically designed to work with a battery charger. DO NOT attempt to use any other cordless tool, battery pack or other device with this charger. DO NOT attempt to use the Jig Saw with any other charger than the one recommended in this manual.

3. DO NOT expose charger to rain or if an attachment not intended for the Jig Saw is attached.

4. DO NOT attempt to use the Jig Saw if the charger has been damaged or dropped, or otherwise damaged in any way; take it to a qualified Black & Decker Service Center.

5. DO NOT disassemble charger; take it to a qualified Black & Decker Service Center when service or repair is required. Incorrect reassembly may result in a risk of electrical shock or fire. There are no consumer serviceable parts inside.

6. DO NOT incinerate the Jig Saw even if it is severely damaged or completely worn out. The batteries can explode in a fire. A small leakage of liquid from the battery cells may occur under extreme usage, charging or temperature conditions. This does not indicate a failure. However, if the outer seal is broken and this leakage gets on your skin—

- Wash quickly with soap and water.
- Neutralize with a mild acid such as lemon juice or vinegar.

7. DO NOT charge Jig Saw when it or air temperature is BELOW +40°F or ABOVE +90°F.

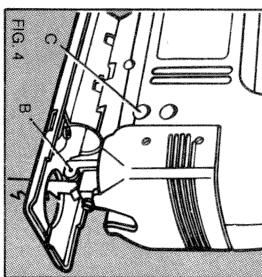
8. DO NOT attempt to open the Jig Saw.

9. Your Cordless Jig Saw can be left permanently on charge. This will not damage the batteries.

Blade Support Roller (Figure 4)

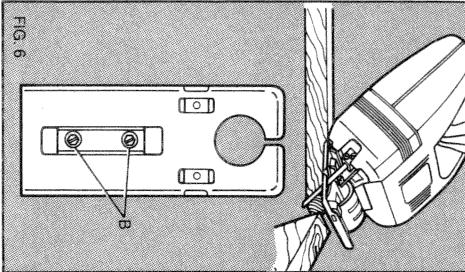
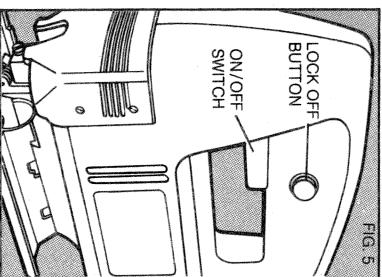
To provide greater blade support this saw is also fitted with a blade support roller. This improves the cutting performance when the saw is used on tougher materials. Each time the saw blade is changed, the blade support roller must be adjusted up to rear of the blade. To do this loosen the slot headed screw on the side of the saw (C) (Figure 4) and adjust the blade support roller so that it LIGHTLY touches the back of the saw blade with the tool running at no load. Reinighten the screw.

NOTE: When using a scrolling blade, adjust the Support Roller back (away from the blade) as far as possible.

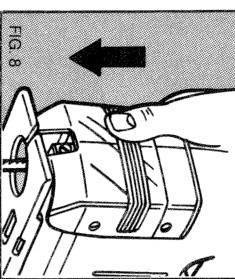


Switch Operation

To operate the tool. First press-in the lock off button (Figure 5) and then pull up the on/off switch. Once the on/off switch is released, the unit will cease to operate.



SPLINTER CONTROL
When sawing brittle or thin pieces of wood, splintering can be reduced by moving the shoe to support the wood at the point of cut. To achieve this, loosen bolt screws marked B in Figure 6 and move the shoe as far back as it will go. Tighten bolt screws marked B to secure the shoe.

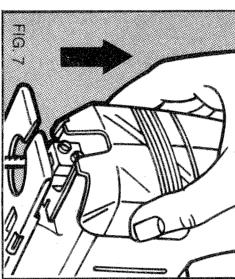


Operation

POCKET CUTTING (Figure 9)

The saw blade can be inserted directly into a wood surface without first drilling a pilot hole (Figure 9) thus eliminating a drilling operation. First measure and clearly mark the surface to be cut. Then tip the mark saw forward so that the rounded tips of the shoe rest on the work surface, but with the blade well clear of it. Switch the saw ON and move it in its 'tilted-up' position until the moving blade is exactly over the chosen point of entry. Lower the rear of the shoe toward the work maintaining a firm pivoting pressure on the shoe tips with the blade exactly on the line. DO NOT MOVE THE SAW FORWARD

ALONG ITS CUT until the saw blade has completely entered the material and the shoe comes to rest flat on its surface.



Adjusting the Shoe (Figure 6)

CUTTING ANGLE

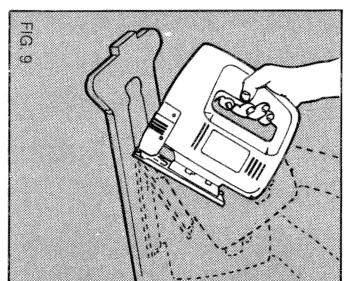
The jig saw shoe can be angled relative to the body of the unit from 0°-45° on either side. To achieve this, raise the chip shield, loosen both screws marked B in Figure 6 and tilt the saw to the required angle relative to the shoe. The edge of the motor housing is the line for the required angle. Tighten both screws marked B to secure the shoe at that angle.

Although the set scale on the shoe is accurate for most purposes it is advisable, for very accurate angle cutting to check the angle of cut with a protractor. For flush cutting the shoe should be locked in the 0° position by moving it backwards and tightening both screws marked B. To reset the shoe for a square cut, slacken the clamp screws and move the shoe until it is approximately 90° to the blade, press then, while applying slight forward pressure on the shoe, reinighten the clamp screws.

CHIP SHIELD (Figure 7 and 8)

As an added feature, your cordless Jig Saw is fitted with a chip shield. To operate the shield, simply press on the front surface and slide it up (Figure 7) or down (Figure 8) as far as it will go.

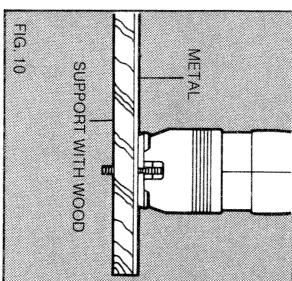
NOTE: When cutting at an angle, always keep the chip shield in the up position.



METAL AND LAMINATED CUTTING (Figure 10)

The cordless saw can be used for cutting light gauge metals such as copper, brass, aluminum, etc. It is advisable when cutting thin sheet metal to clamp a backing sheet of soft wood or plywood to the work as this will enable you to obtain a clean cut without vibration and the possibility of tearing the metal. Both metal and wood backing are sawed together. Do not force the cutting blade into the metal as this will reduce the life of the blade and possibly damage the motor.

Cutting thin metal will take longer than cutting even a relatively thick piece of wood, so do not be tempted to speed up the operation by forcing the saw. Spread a thin film of cutting oil along the proposed cutting line before commencing to saw metal. Always select the right blade for the job (consult accessory table).



Cleaning and Lubrication

REGULAR CUTTING BLADE

Rough, straight cuts in wood

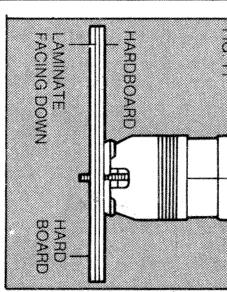
3/4 in. long 3 1/2 in. long 3 1/2 in. teeth per inch

7 or 10 teeth per inch

7 teeth per inch

RIP FENCE

For straight ripping



3/4 in. long 3 in. long 3 teeth per inch

7 teeth per inch

FINISH CUTTING BLADES

Straight or scroll cuts in wood, laminate

3 in. long 3 in. long 3 in. teeth per inch

10 teeth per inch

10 teeth per inch

METAL CUTTING BLADES

Cuts through ferrous and non-

metals

3 in. long 3 in. long 32 teeth per inch

24 teeth per inch

CUTTING LAMINATES

(Figure 11)

The blades of the cordless saw cut on the upstroke so any tendency for edge splintering will occur on the face of the material nearest the saw shoe. When sawing thin wood or plastic laminates use a fine tooth

storage in outside metal building where the temperature could above +20°F in summer, a could damage the Jig Saw.

3. Long storage will not harm the Saw or Charger. Under the following conditions (given above) the saw can be stored for 5 years or more without harm.

Accessories

The accessories listed in the manual for this saw are available from your local dealer or Black & Decker Service Center. A complete listing of Service Centers is included in the owner's registration card packed with your tool.

If you need assistance in using any accessory, please contact Black & Decker, Inc. Use Services Department P.O. Box 857

10 North Park Drive, Hunt Valley, MD 21030-00

Recommended Accessories

The use of any other Accessory Attachment might be hazardous

strongly recommend that you purchase Safety Glasses which should be worn when using all Cordless Jig Saw Accessories.

Attachment might be hazardous only in the sizes specified below

packed with your tool.

If you need assistance in using any accessory, please contact Black & Decker, Inc. Use Services Department P.O. Box 857

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